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1 [A constructive approach to reliable synchronization code](#)

Mark S. Lavalentha

 September 1979 **Proceedings of the 4th international conference on Software engineering**

Publisher: IEEE Press

 Full text available: [pdf\(769.32 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a new approach to developing reliable software for communication between parallel processes. The basis of this approach is the shared use of abstract data objects, and the separation of synchronization-related software from the software performing the actual data access. The paper presents a language in which synchronization behavior for abstract data objects can be specified independently of other kinds of behavior. Specifications written in this language can be used a ...



2 [Type-based race detection for Java](#)



Cormac Flanagan, Stephen N. Freund

 May 2000 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2000 conference on Programming language design and implementation PLDI '00**, Volume 35 Issue 5

Publisher: ACM Press

 Full text available: [pdf\(237.37 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents a static race detection analysis for multithreaded Java programs. Our analysis is based on a formal type system that is capable of capturing many common synchronization patterns. These patterns include classes with internal synchronization, classes that require client-side synchronization, and thread-local classes. Experience checking over 40,000 lines of Java code with the type system demonstrates that it is an effective approach for eliminating races conditions. On lar ...



3 [Conduit cascades and secure synchronization](#)



Simon N. Foley


 February 2001 **Proceedings of the 2000 workshop on New security paradigms**

Publisher: ACM Press

 Full text available: [pdf\(586.27 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


4 Do you have the time? Composition and linking in time-based hypermedia



 Lynda Hardman, Jacco van Ossenbruggen, K. Sjoerd Mullender, Lloyd Rutledge, Dick C. A. Bulterman

February 1999 **Proceedings of the tenth ACM Conference on Hypertext and hypermedia : returning to our diverse roots: returning to our diverse roots**

Publisher: ACM Press

Full text available:  pdf(3.22 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Amsterdam hypermedia model, SMIL, composition, links, time-based hypermedia

5 Self-tuning synchronization mechanisms in network operating systems



 Yuval Hershko, Daniel Segal, Hadas Shachnai

May 1999 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1999 ACM SIGMETRICS international conference on Measurement and modeling of computer systems SIGMETRICS '99**, Volume 27 Issue 1

Publisher: ACM Press

Full text available:  pdf(239.71 KB) Additional Information: [full citation](#), [references](#), [index terms](#)


6 New results on deriving protocol specifications from service specifications



 F. Khendek, G. von Bochmann, C. Kant

August 1989 **ACM SIGCOMM Computer Communication Review , Symposium proceedings on Communications architectures & protocols SIGCOMM '89**, Volume 19 Issue 4

Publisher: ACM Press

Full text available:  pdf(943.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Previous papers describe an algorithm for deriving a specification of protocol entities from a given service specification. A service specification defines a particular ordering for the execution of service primitives at the different service access points using operators for sequential, parallel and alternative executions. The derived protocol entities ensure the correct ordering by exchanging appropriate synchronization messages, between one another through the underlying communication me ...

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IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

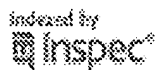
IEEE STD IEEE Standard

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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L19	124	(synchroniz\$9) near5 (request same response) and "709"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 08:05
L17	73	(synchroniz\$9) near5 (request same response) and "707"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 08:05
L18	10	("20020156798" "20030046442" "20040105423" "20050021514" "5434994" "5546574" "5926816" "6317754" "6341316" "6460051").PN	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/02 07:35
L16	15	(synchroniz\$9) near5 (request same response) and 370/324,350,510,512,513,514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:31
L15	5	(synchroniz\$9) near5 (request same response) and 375/240.28,240.29,357,363,364,366.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:29
L14	0	(synchroniz\$9) near5 (request same response) and 702/89.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:28
L13	4	(synchroniz\$9) near5 (request same response) and 718/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:28
L12	5	(synchroniz\$9) near5 (request same response) and 715/500.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:27
L11	7	(synchroniz\$9) near5 (request same response) and 714/707,775,789,798.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:26
L10	7	(synchroniz\$9) near5 (request same response) and 714/707,775,789,798.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:25
L9	16	(synchroniz\$9) near5 (request same response) and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:24

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L8	1222	713/400.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:21
L7	32	(synchroniz\$9) near5 (request/response)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:21
L4	67	(one) near5 (synchroniz\$9) near10 (request same response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:21
L6	32	(synchroniz\$9) near5 (request/response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:19
S12 2	5	(one single) near5 (synchroniz\$9) near10 (request/response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:18
L3	87	(one) near5 (synchroniz\$9) near10 (request and response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:11
L1	102	(one single) near5 (synchroniz\$9) near10 (request and response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:11
L2	16	(single) near5 (synchroniz\$9) near10 (request and response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 07:06
S14 0	2	"6366964".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 17:32
S12 3	1	"4418383".PN	USPAT; USOCR	OR	ON	2006/05/30 16:33
S12 1	39	(synchroniz\$9) near10 (request/response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 16:27
S12 0	115	(synchron\$9) near10 (request/response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 16:20
S11 9	0	(group\$5) near7 (synchron\$9) near10 (request/response)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 16:19

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S11 7	31	(group\$5) near7 (request\$5) near5 (response) same (synchron\$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 16:18
S11 8	1	"4615005".PN	USPAT; USOCR	OR	ON	2006/05/30 16:13
S11 6	44	(combin\$5 together aggregat\$5) near7 (request\$5) near5 (response) same (synchron\$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 16:05
S11 5	0	(XML) near4 (combin\$5 together aggregat\$5) near7 (request\$5) near5 (response) same (synchron\$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 15:40
S11 4	2	"6633910".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 15:39
S1	2	"6341316".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 14:56
S11 3	34	coda same (synchron\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 14:44
S11 2	888	coda	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 14:43